



SANDBLASTING CABINETS ECAB SERIES



The ECAB Series is designed for regular users and heavy-duty industrial applications.

These suction or pressure cabinets offer equivalent reliability and performance as an industrial equipment at a fraction of the price.

Our cabinets use simple, pneumatic controls for greater reliability when used for heavy-duty applications in harsh environment compared to electric controls. Built with robust 14-gauge steel construction, ECAB Series Cabinets are available in various sizes and configuration to address your applications.

ECAB Cabinets feature pneumatic foot pedal control for better ergonomics and tunable media-reclaimer to recover up to 95% of abrasive residues generated during blasting operations. After contact with work piece, abrasive media is transferred to cyclonic reclaimer where it is separated from dust and fine particles. Reusable media is then returned to the cabinet while dust is evacuated to the dust collector for significant savings on abrasive purchases and equipment maintenance.

MARKETS

- General Manufacturing
- Aerospace & Aviation
- Mechanical Workshop
- Automotive & Bodyshop
- Machine & Repair Shop
- Transit & Public Transport
- Metal Forming & Finishing
- Artworks
- Machined Parts & Molding

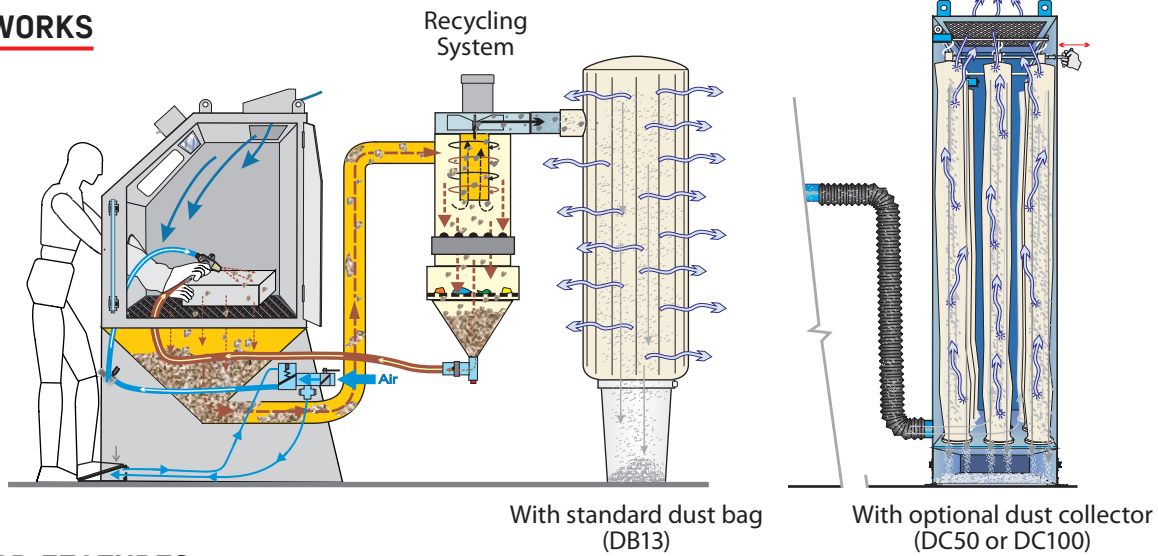
COMMON APPLICATIONS

- Metal finishing and surface preparation
- Removing scale, rust, dirt, and carbon buildup from metals
- Stripping coating and painting from parts for rework
- Stripping, trimming and restoring metal parts and surfaces
- Etching artwork into glass, plastics and other materials
- Removing burrs, flashings and imperfections from castings or molded parts
- Removing release agents from molds and restoring castings



SUCTION SYSTEM

HOW IT WORKS



STANDARD FEATURES

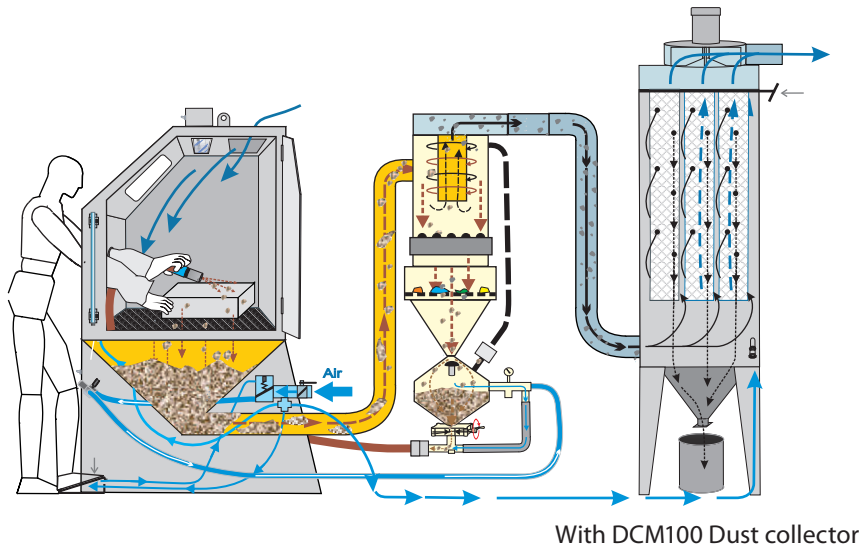


VISUAL	DESCRIPTION
	Tunable cyclonic media reclaimer powered by 1/2 hp engine.
	DB13 is a 13 sq. ft. filtration bag system with dust collecting bucket.
	Rigid door with self-adjusting door latch stands up to abrasives and seals tightly against dust as door gasket ages.
	Wide laminated glass security window (14" x 22") offering great visibility inside the cabinet with interchangeable plastic liners.

VISUAL	DESCRIPTION
	Complies with OSHA requirements. Certified by QPS to CSA C22.2 and UL 610010 in Canada and the U.S.
	2-Year IST Industrial Warranty
	Foot pedal enables operation with either foot.
	Easily adjustable abrasive flow regulator with pressure gauge.




PRESSURE SYSTEM





HOW IT WORKS



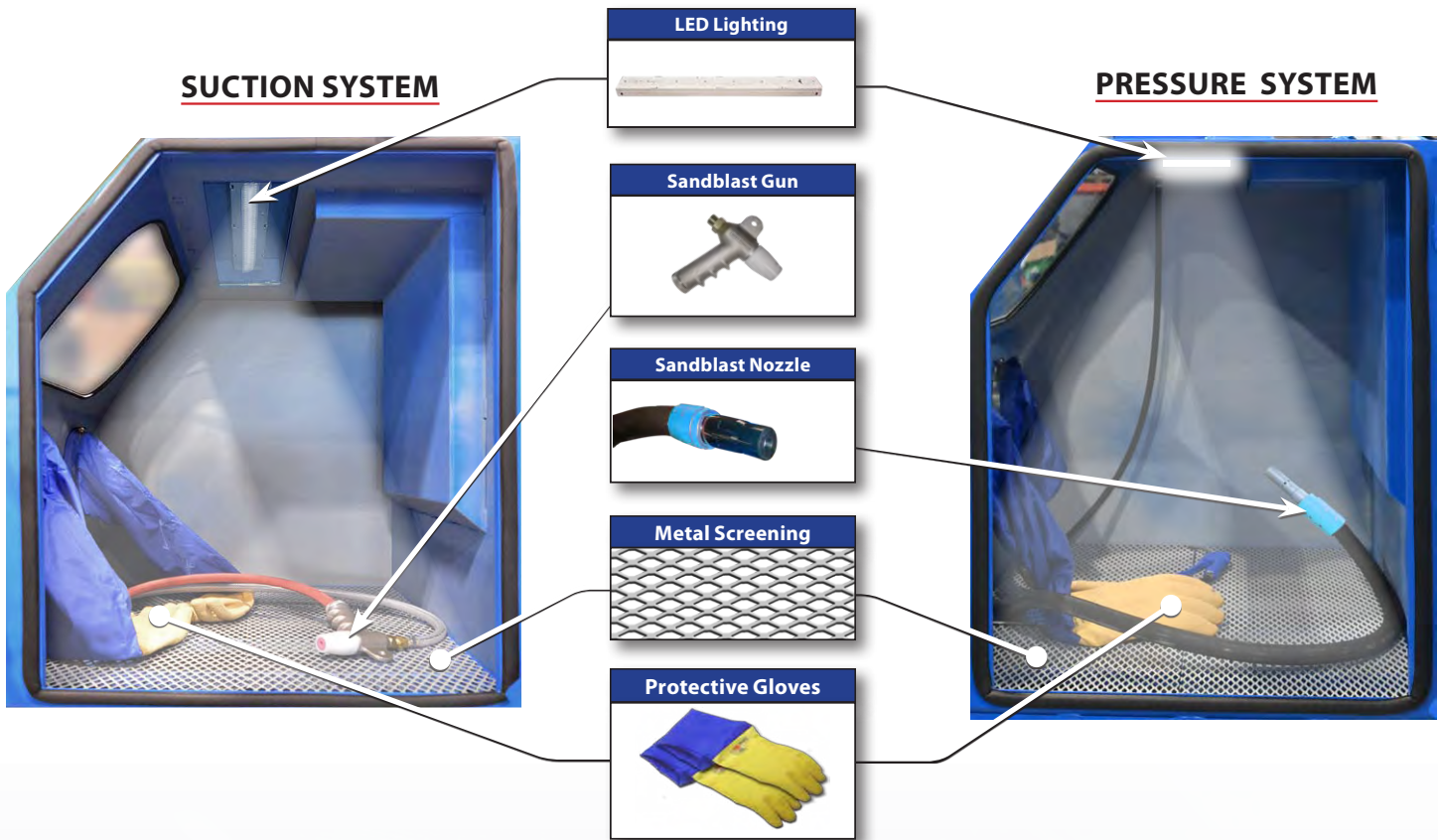
STANDARD FEATURES



VISUAL	DESCRIPTION
	Tunable cyclonic media reclaimer with pressure vessel.
	Rigid door with self-adjusting door latch stands up to abrasives and seals tightly against dust as door gasket ages.
	Wide laminated glass security window (14" x 22") offering great visibility inside the cabinet with interchangeable plastic liners.

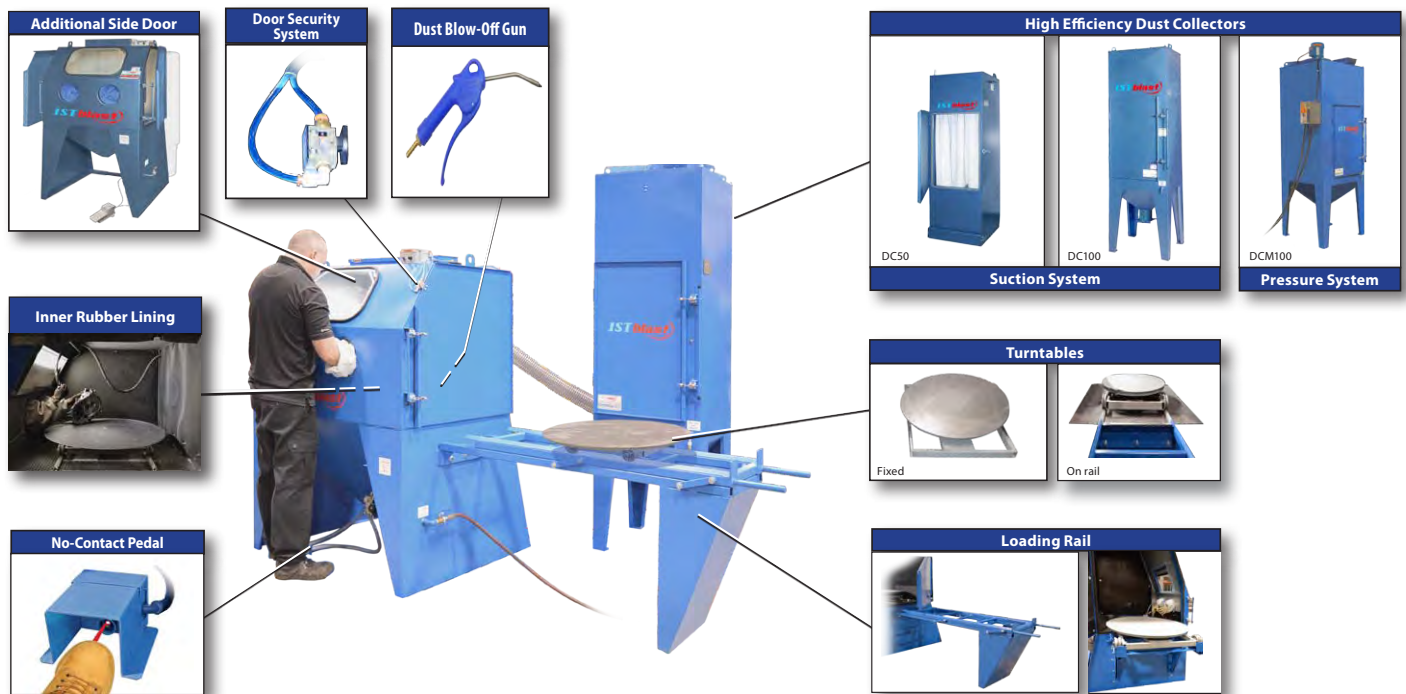
VISUAL	DESCRIPTION
	Complies with OSHA requirements. Certified by QPS to CSA C22.2 and UL 610010 in Canada and the U.S.
	2-Year IST Industrial Warranty
	Foot pedal enables operation with either foot.
	Easily adjustable abrasive flow regulator with pressure gauge.

INSIDE VIEW



VISUAL	DESCRIPTION
	Nylon sleeve gloves provide comfort and protection, and can be easily replaced when damaged. Dimension: 8" Diameter x 30" Length
	LED lighting system provides great visibility inside the cabinet while reducing substantially energy consumption. LED light strip produces up to 65% more lumens as opposed to traditional lighting system and consumes up to 90% less electricity.
	Triggerless G5 blast gun is designed to maximize operator's comfort due to its ergonomic handle and activates by stepping on the pedal. This blast gun uses interchangeable blast nozzles protected by a plastic adaptor.
	G5 blast gun is compatible with various ceramic, tungsten carbide and bore carbide blast nozzle. By default, ECAB cabinets are delivered with a 5/16" ceramic ID nozzle (CN2-5).
	The Sandblast Nozzle is designed to maximize operator's productivity and activates by stepping on the pedal. This Sandblast Nozzle uses interchangeable blast nozzles mounted on a plastic adaptor.
	The Sandblast Nozzle is compatible with various tungsten carbide and bore carbide blast nozzle. By default, ECAB cabinets are delivered with a ___" ID double Venturi nozzle.
	The bottom of the cabinet uses a metal screening to prevent oversized particles or objects from clogging the system.

AVAILABLE OPTIONS



VISUAL	DESCRIPTION
	Additional side door on the left hand side provides a better access to the cabinet for loading /unloading parts.
	Safety-door switch prevents accidental blasting when the door is open.
	Air blow gun can be used to remove dust from the surface of the blasted part in order to avoid contaminating the work environment.
	High-efficiency DC Series dust collectors are available with 50 sq. ft. (DC50) or 100 sq. ft. (DC100) filtering surface area and allow to capture 99% of all particles five (5) microns or larger. These collectors are equipped with a manual shaker or optional push-bottom shaker (DC100 only) to clean filter bags. DCM100: for Pressure system only.
	Fixed turntables facilitate parts handling inside the cabinet and optimize blasting performance of larger parts. They are available with charge capacities varying from 500 to 2,200 lbs.
	Fixed rail is permanently installed on the cabinet to ease parts loading / unloading.
	Retractable rails are suitable for confined spaces since they can be folded for lower footprint.
	No-contact pedal detects foot presence using a laser beam, providing better ergonomic and comfort to the operator for long hours of blasting without fatigue.
	Rubber lining can be added to the cabinet inner panels in order to extend the equipment lifespan and reduce needs of maintenance.

SUCTION SYSTEM

DUST COLLECTORS

Standard dust collector



DB13 Dust Bag

High efficiency dust collectors

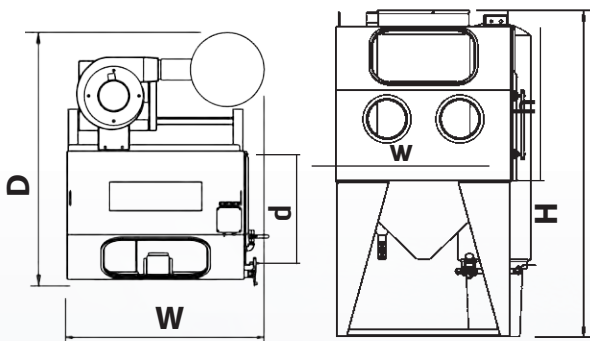


DC50

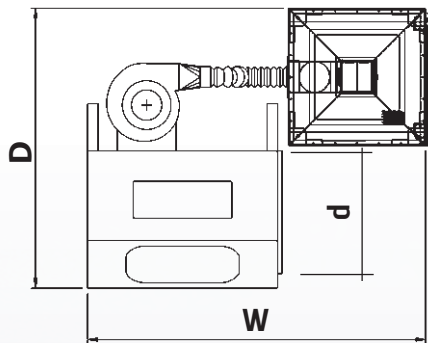


DC100

FLOOR PLANS



Overall dimensions with DB13 Dust Bag



Overall dimensions with DC50 or DC100 Dust Collector

SPECIFICATIONS

MODEL	ECAB 2636S	ECAB 3636S	ECAB 3648S	ECAB 4848S
WORK AREA (D X W X H)	26" x 36" x 32"	36" x 36" x 32"	36" x 48" x 32"	48" x 48" x 32"
OVERALL DIMENSIONS (D X W X H)				
WITH DB13	53" x 42" x 67"	63" x 42" x 67"	63" x 54" x 67"	75" x 54" x 67"
WITH DC50	57" x 60" x 78"	67" x 60" x 78"	67" x 72" x 78"	79" x 72" x 78"
WITH DC100	63" x 62" x 91"	73" x 62" x 91"	73" x 74" x 91"	85" x 74" x 91"
DOOR OPENING (W X H)	20" x 29"	30" x 29"		42" x 29"
WEIGHT (lb)	405	445	467	497

AIR CONSUMPTION					
PRESSURE AT THE NOZZLE (psi) ¹	40	50	60	70	80
AIR FLOW (cfm) ²	19	23	27	30	34

¹psi: pound per square inch. Optimal working pressure for this equipment is **80 psi**.

²cfm: cubic feet per minute given for supplied 5/16" I.D. nozzle. Can consume less air when using smaller I.D. nozzle. Air consumption will increase as nozzle wears out.

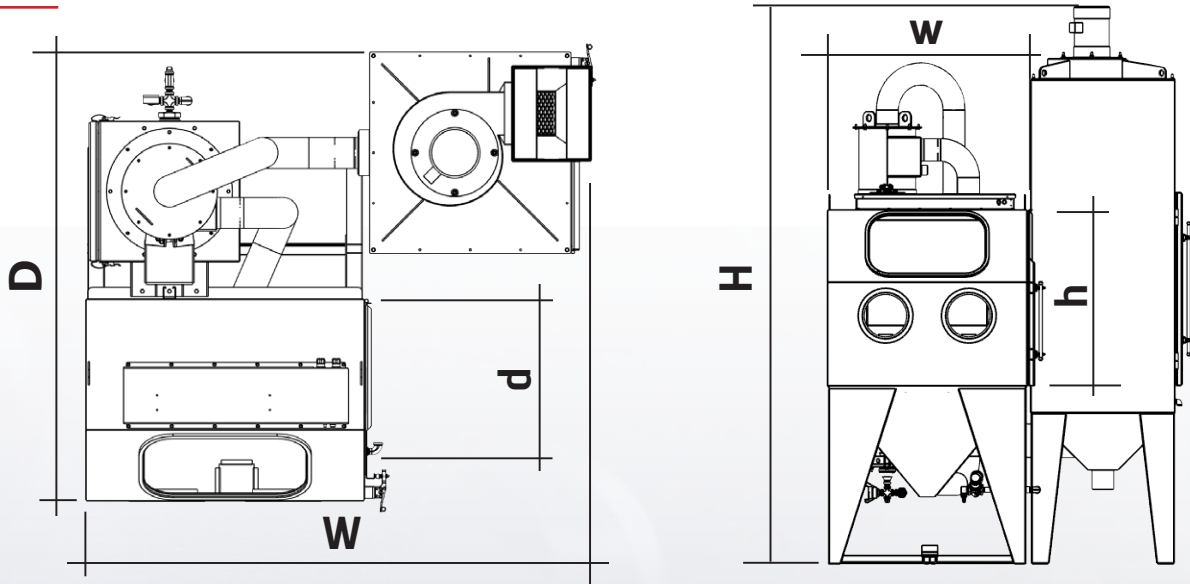
PRESSURE SYSTEM

HIGH EFFICIENCY DUST COLLECTOR

DCM100 -400 cfm



FLOOR PLAN



SPECIFICATIONS

MODEL	ECAB 2636P	ECAB 3636P	ECAB 3648P	ECAB 4848P	
WORK AREA (d x w x h)	26" x 36" x 32"	36" x 36" x 32"	36" x 48" x 32"	48" x 48" x 32"	
OVERALL DIMENSIONS (D X W X H)					
WITH DCM100-4 (D X W X H)	63" x 62" x 100"	73" x 62" x 100"	73" x 74" x 100"	85" x 74" x 100"	
DOOR OPENING (w x h)	20" x 29"	30" x 29"		42" x 29"	
WEIGHT (lb)	405	445	467	497	
AIR CONSUMPTION					
PRESSURE AT THE NOZZLE (psi) ¹	40	50	60	70	80
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ABOUT THE COMPANY

WHO WE ARE

IST is a leading manufacturer of equipment for the surface treatment industry and the solvent recycling industry. Our extensive line of equipment includes batch units and automated machines designed to achieve the highest manufacturing standards.

MISSION

IST works tightly with their customers to transform industrial processes to improve their quality, productivity, and environmental footprint.

OUR SERVICES

- Custom Design & Fabrication
- Installation & Startup
- Preventative Maintenance Program
- Private Labels
- Testing Lab
- 24/7 Technical Support

INDUSTRIES WE SERVE

- Aerospace & Aviation
- Aluminium Smelters
- Automotive
- Construction & Civil Engineering
- Flexography (labelling) & Lithography
- Foundry & Forge
- General Manufacturing
- Military
- Power & Energy
- Rail & Mass Transit
- Shipyards
- Wood finishing

